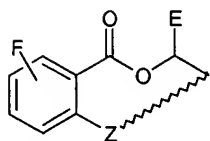


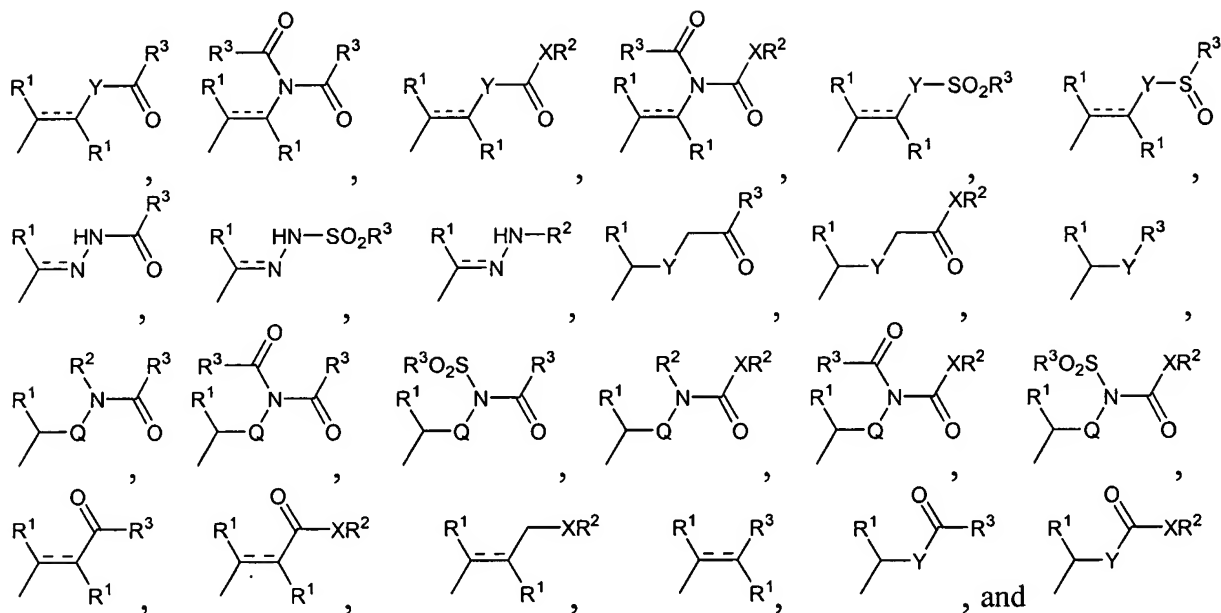
## CLAIMS:

What is claimed is:

1. A compound of formula:



wherein E is selected from the group consisting of:



$X = O, S, NR^2$ ;

$Y = CH_2, O, S, NR^2$ ;

$Q = O, NH$ ;

$F = \text{ortho, meta, para substituents such as halogen, CN, } OR^2, OC(O)R^3, NO_2, OSO_2R^3, NR^2R^2,$

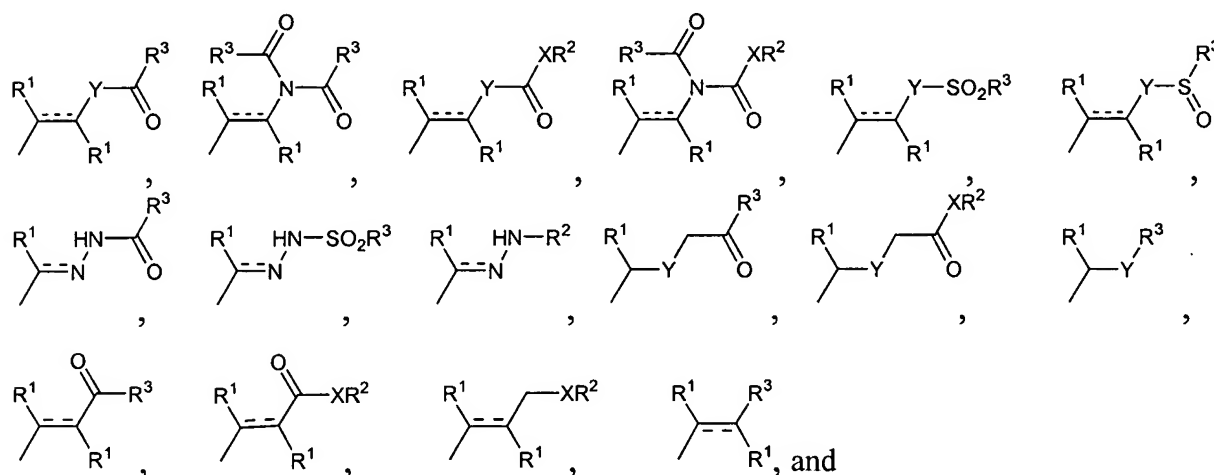
$NR^2C(O)R^3, NR^2SO_2R^3, R^3$ ;

$R^1 = H, Me$ ;

$R^2 = R^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ ,  $\text{CH}_2\text{heteroaryl}$ ,  $\text{CH}_2\text{heterocycle}$ ,  $\text{CHR}^1\text{CHR}^1\text{aryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heteroaryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heterocycle}$ ;  $R^3 = R^2$  or  $\text{CR}^1=\text{CR}^1\text{aryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heteroaryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heterocycle}$ ,  $\text{C}\equiv\text{Caryl}$ ,  $\text{C}\equiv\text{Cheteroaryl}$ ,  $\text{C}\equiv\text{Cheterocycle}$ ; and

Z is a contiguous linker whose presence completes an 11 to 15 membered ring.

2. The compound of Claim 1 wherein E is selected from the group consisting of:



$X = O, S, \text{NR}^2$ ;

$Y = \text{CH}_2, O, S, \text{NR}^2$ ;

F = ortho, meta, para substituents such as halogen, CN,  $\text{OR}^2$ ,  $\text{OC(O)R}^3$ ,  $\text{NO}_2$ ,  $\text{OSO}_2\text{R}^3$ ,  $\text{NR}^2\text{R}^2$ ,  $\text{NR}^2\text{C(O)R}^3$ ,  $\text{NR}^2\text{SO}_2\text{R}^3$ ,  $\text{R}^3$ ;

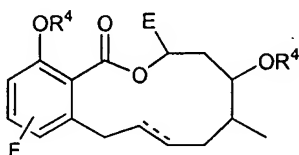
$R^1 = \text{H}, \text{Me}$ ;

$R^2 = R^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ ,  $\text{CH}_2\text{heteroaryl}$ ,  $\text{CH}_2\text{heterocycle}$ ,  $\text{CHR}^1\text{CHR}^1\text{aryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heteroaryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heterocycle}$ ;

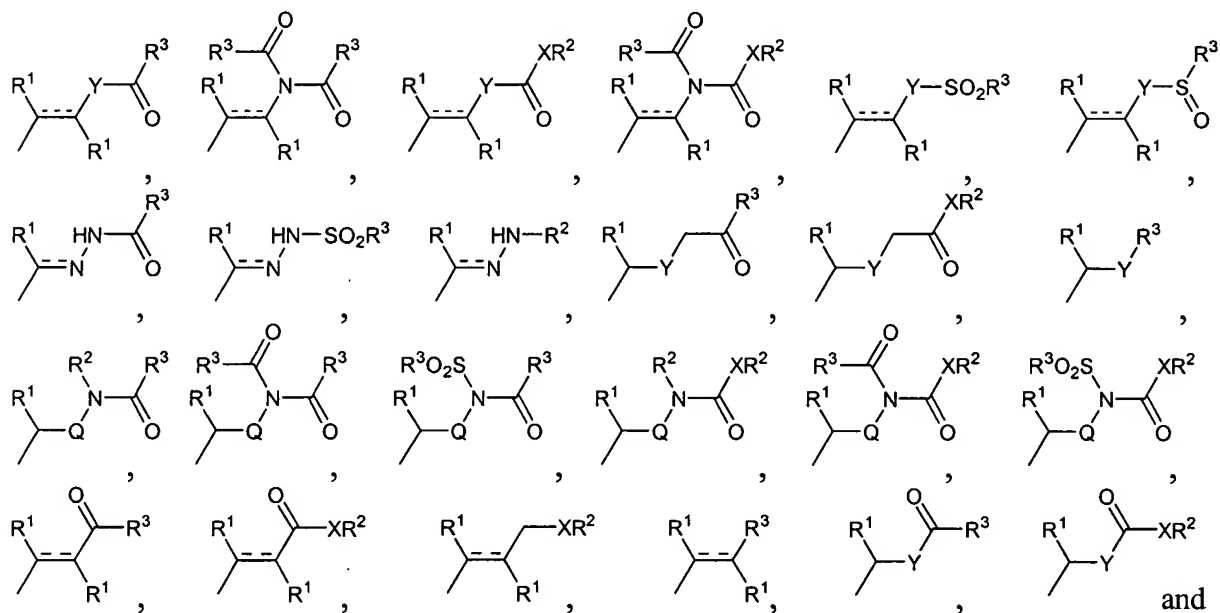
$R^3 = R^2$  or  $CR^1=CR^1$ aryl,  $CR^1=CR^1$ heteroaryl,  $CR^1=CR^1$ heterocycle,  $C\equiv C$ aryl,  $C\equiv C$ heteroaryl,  $C\equiv C$ heterocycle; and

Z is a contiguous linker whose presence completes an 11 to 15 membered ring.

3. A compound of formula:



wherein E is selected from the group consisting of:

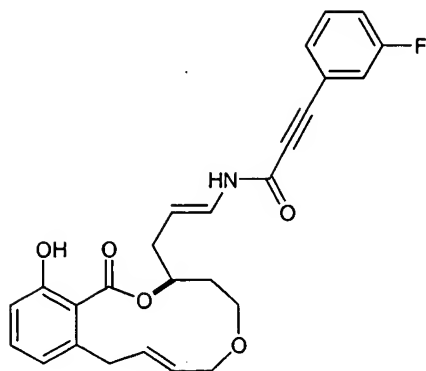


$X = O, S, NR^2$ ;

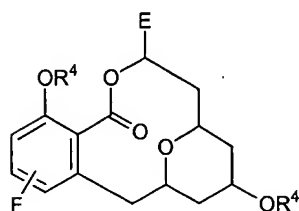
$Y = CH_2, O, S, NR^2$ ;

$Q = O, NH$ ;

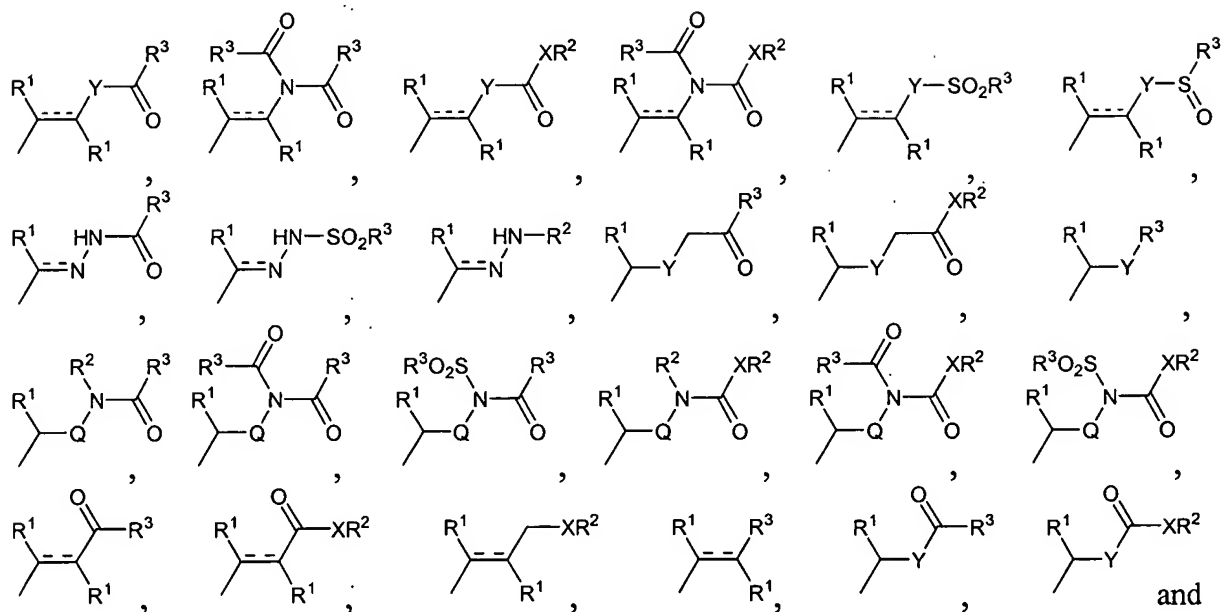
11. A compound of formula:



12. A compound of formula:



wherein E is selected from the group consisting of:



$X = O, S, NR^2$ ;

$Y = CH_2, O, S, NR^2$ ;

$Q = O, NH$ ;

$F =$  ortho, meta, para substituents such as halogen, CN,  $OR^2$ ,  $OC(O)R^3$ ,  $NO_2$ ,  $OSO_2R^3$ ,  $NR^2R^2$ ,  $NR^2C(O)R^3$ ,  $NR^2SO_2R^3$ ,  $R^3$ ;

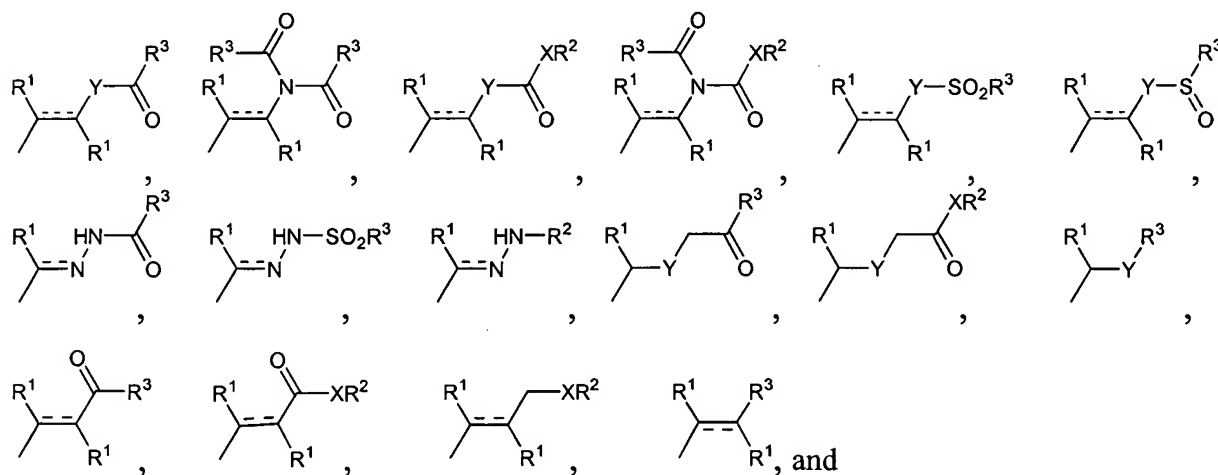
$R^1 = H, Me$ ;

$R^2 = R^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $CH_2$ aryl,  $CH_2$ heteroaryl,  $CH_2$ heterocycle,  $CHR^1CHR^1$ aryl,  $CHR^1CHR^1$ heteroaryl,  $CHR^1CHR^1$ heterocycle;

$R^3 = R^2$  or  $CR^1=CR^1$ aryl,  $CR^1=CR^1$ heteroaryl,  $CR^1=CR^1$ heterocycle,  $C\equiv C$ aryl,  $C\equiv C$ heteroaryl,  $C\equiv C$ heterocycle; and

$R^4 = R^1, C(O)R^3, SO_2R^3, R^2$ .

13. The compound of Claim 12 wherein E is selected from the group consisting of:



$X = O, S, NR^2$ ;

$Y = CH_2, O, S, NR^2$ ;

$F =$  ortho, meta, para substituents such as halogen, CN,  $OR^2$ ,  $OC(O)R^3$ ,  $NO_2$ ,  $OSO_2R^3$ ,  $NR^2R^2$ ,  $NR^2C(O)R^3$ ,  $NR^2SO_2R^3$ ,  $R^3$ ;

F = ortho, meta, para substituents such as halogen, CN,  $\text{OR}^2$ ,  $\text{OC(O)R}^3$ ,  $\text{NO}_2$ ,  $\text{OSO}_2\text{R}^3$ ,  $\text{NR}^2\text{R}^2$ ,  $\text{NR}^2\text{C(O)R}^3$ ,  $\text{NR}^2\text{SO}_2\text{R}^3$ ,  $\text{R}^3$ ;

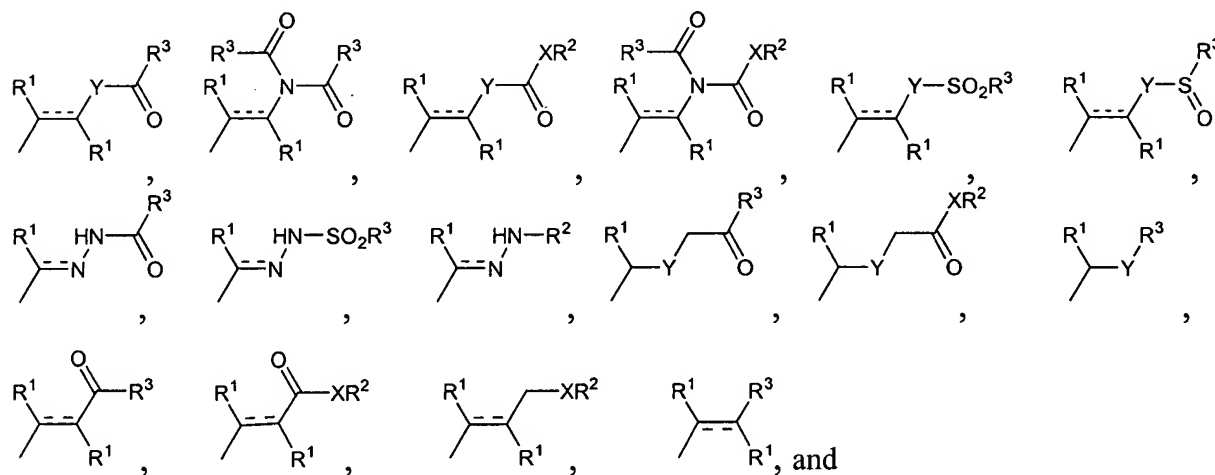
$\text{R}^1 = \text{H}, \text{Me}$ ;

$\text{R}^2 = \text{R}^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ ,  $\text{CH}_2\text{heteroaryl}$ ,  $\text{CH}_2\text{heterocycle}$ ,  $\text{CHR}^1\text{CHR}^1\text{aryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heteroaryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heterocycle}$ ;

$\text{R}^3 = \text{R}^2$  or  $\text{CR}^1=\text{CR}^1\text{aryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heteroaryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heterocycle}$ ,  $\text{C}\equiv\text{Caryl}$ ,  $\text{C}\equiv\text{Cheteroaryl}$ ,  $\text{C}\equiv\text{Cheterocycle}$ ; and

$\text{R}^4 = \text{R}^1$ ,  $\text{C(O)R}^3$ ,  $\text{SO}_2\text{R}^3$ ,  $\text{R}^2$ .

4. The compound of Claim 3 wherein E is selected from the group consisting of:



$\text{X} = \text{O}, \text{S}, \text{NR}^2$ ;

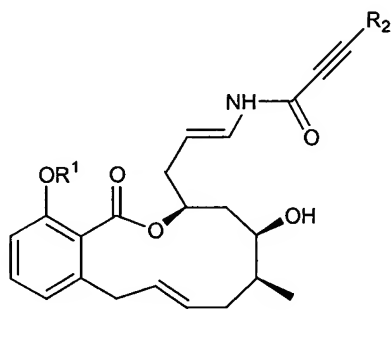
$\text{Y} = \text{CH}_2, \text{O}, \text{S}, \text{NR}^2$ ;

F = ortho, meta, para substituents such as halogen, CN,  $\text{OR}^2$ ,  $\text{OC(O)R}^3$ ,  $\text{NO}_2$ ,  $\text{OSO}_2\text{R}^3$ ,  $\text{NR}^2\text{R}^2$ ,  $\text{NR}^2\text{C(O)R}^3$ ,  $\text{NR}^2\text{SO}_2\text{R}^3$ ,  $\text{R}^3$ ;

$\text{R}^1 = \text{H}, \text{Me}$ ;

$R^2 = R^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ ,  $\text{CH}_2\text{heteroaryl}$ ,  $\text{CH}_2\text{heterocycle}$ ,  $\text{CHR}^1\text{CHR}^1\text{aryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heteroaryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heterocycle}$ ;  $R^3 = R^2$  or  $\text{CR}^1=\text{CR}^1\text{aryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heteroaryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heterocycle}$ ,  $\text{C}\equiv\text{Caryl}$ ,  $\text{C}\equiv\text{Cheteroaryl}$ ,  $\text{C}\equiv\text{Cheterocycle}$ ; and  $R^4 = R^1$ ,  $\text{C}(\text{O})\text{R}^3$ ,  $\text{SO}_2\text{R}^3$ ,  $\text{R}^2$ .

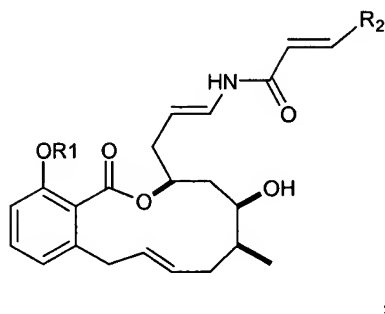
5. A compound of formula:



wherein  $R^1 = \text{H, Me, Ac}$ ; and

$R^2 =$  straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .

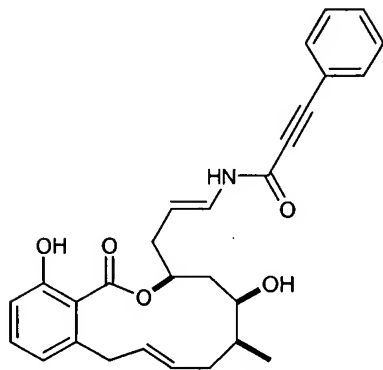
6. A compound of formula:



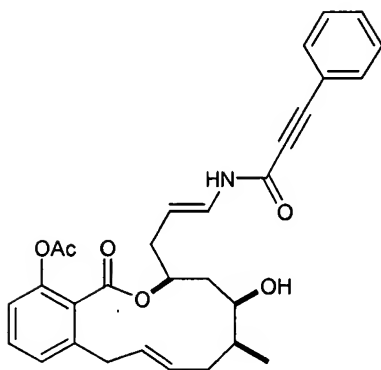
wherein  $R^1 = \text{H, Me, Ac}$ ; and

$R^2$  = straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .

7. A compound of formula:

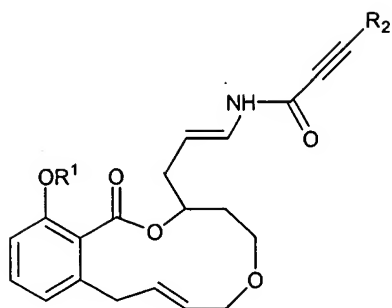


8. A compound of formula:





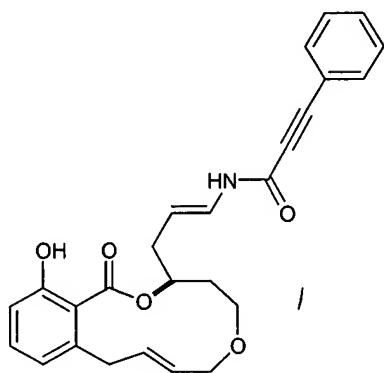
9. A compound of formula:



wherein  $R^1 = H, Me, Ac$ ; and

$R^2 =$  straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $CH_2$ aryl.

10. A compound of formula:

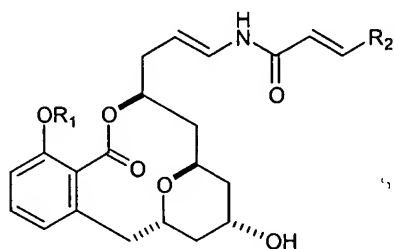


$R^1 = \text{H, Me};$

$R^2 = R^1$ , straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ ,  $\text{CH}_2\text{heteroaryl}$ ,  $\text{CH}_2\text{heterocycle}$ ,  $\text{CHR}^1\text{CHR}^1\text{aryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heteroaryl}$ ,  $\text{CHR}^1\text{CHR}^1\text{heterocycle}$ ;  
 $R^3 = R^2$  or  $\text{CR}^1=\text{CR}^1\text{aryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heteroaryl}$ ,  $\text{CR}^1=\text{CR}^1\text{heterocycle}$ ,  $\text{C}\equiv\text{Caryl}$ ,  $\text{C}\equiv\text{Cheteroaryl}$ ,  $\text{C}\equiv\text{Cheterocycle}$ ; and

$R^4 = R^1$ ,  $\text{C}(\text{O})\text{R}^3$ ,  $\text{SO}_2\text{R}^3$ ,  $\text{R}^2$ .

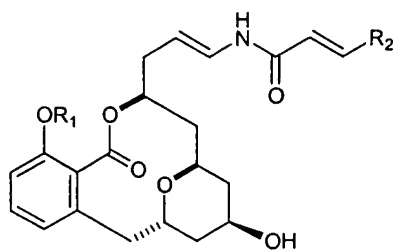
14. A compound of formula:



wherein  $R^1 = \text{H, Me, Ac}$ ; and

$R^2 =$  straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .

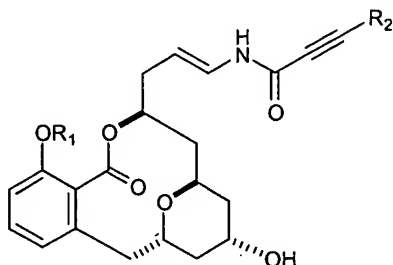
15. A compound of formula:



wherein  $R^1 = \text{H, Me, Ac}$ ; and

$R^2$  = straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .

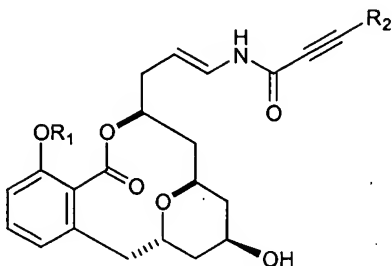
16. A compound of formula:



wherein  $R^1$  = H, Me, Ac; and

$R^2$  = straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .

17. A compound of formula:



wherein  $R^1$  = H, Me, Ac; and

$R^2$  = straight chain saturated alkyl, straight chain unsaturated alkyl, branched chain alkyl, branched chain unsaturated alkyl, cycloalkyl, aryl, heteroaryl, heterocycle,  $\text{CH}_2\text{aryl}$ .